ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2006

| BUDGET ACTIVITY
7 - Operational system development | PE NUMBER AND TITLE
0702239A - Avionics Component Improvement Program | | | | | | PROJECT
C92 | |

COST (In Thousands)	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total Cost
C92 AVIONICS COMPONENT ANALYSIS	954	980	1031	1032	1032	0	0	0	5029

A. Mission Description and Budget Item Justification: The Avionics Component Improvement Program (AvCIP) is a Joint Services initiative to combat parts obsolescence and accelerate technology infusion into avionics programs.

Accomplishments/Planned Program	FY 2005	FY 2006	FY 2007
Determine critical avionics (communications, navigation, surveillance, sensors, combat identification, mission planning, and interoperability) deficiencies, prioritize and conduct initial technology improvements effort.	600	600	610
Identify software techniques and opportunities associated with open system architectures targeted to reduce initial and recurring avionics integration costs.	306	333	370
Continue Program Management Support	48	47	51
Total	954	980	1031

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AVIONICS COMPONENT ANALYSIS

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Exhibit R-2
Budget Item Justification

ARMY RDT&E BUDGET ITEM JUSTIFICATION (R2 Exhibit)

February 2006

BUDGET ACTIVITY **7 - Operational system development**	PE NUMBER AND TITLE **0702239A - Avionics Component Improvement Program**	PROJECT **C92**

B. Program Change Summary	FY 2005	FY 2006	FY 2007
Previous President's Budget (FY 2006)	955	994	1016
Current BES/President's Budget (FY 2007)	954	980	1031
Total Adjustments	-1	-14	15
Congressional Program Reductions		-10	
Congressional Rescissions		-4	
Congressional Increases			
Reprogrammings	-1		
SBIR/STTR Transfer			
Adjustments to Budget Years			15

D. Acquisition Strategy The Acquisition Strategy is to identify emerging avionics performance and obsolescence problems. AvCIP is an initiative that enables streamlined management of present-day common avionics/electronics critical readiness degraders, technology insertion opportunities and cost reduction solutions. The program will annually compete candidate solutions according to criticality of operational contribution, technical risk, return on investment, commonality and breadth of application across multiple platforms.

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ARMY RDT&E COST ANALYSIS (R3)

February 2006

| BUDGET ACTIVITY
7 - Operational system development | | PE NUMBER AND TITLE
0702239A - Avionics Component Improvement Program | | | | | | | | | | PROJECT
C92 |

I. Product Development	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Determine critical avionics deficiencies and initiate technology improvement efforts.	Various	AMCOM, Redstone Arsenal, AL	0	600	1-3Q	600	1-3Q	610	1-3Q	Continue	Continue	Continue
Identify SW techniques and opportunities associated w/open system architectures in reduction of cost	Various	AMCOM, Redstone Arsenal, AL	0	306	1-3Q	333	1-3Q	370	1-3Q	Continue	Continue	Continue
Subtotal:			0	906		933		980		Continue	Continue	Continue

II. Support Costs	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									

III. Test And Evaluation	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
Subtotal:			0									

IV. Management Services	Contract Method & Type	Performing Activity & Location	Total PYs Cost	FY 2005 Cost	FY 2005 Award Date	FY 2006 Cost	FY 2006 Award Date	FY 2007 Cost	FY 2007 Award Date	Cost To Complete	Total Cost	Target Value of Contract
PM Spt (AVCIP)	MIPR	LCMC, AL/PM AME, AL	0	48	1-4Q	47	1-4Q	51	1-4Q	Continue	Continue	Continue
Subtotal:			0	48		47		51		Continue	Continue	Continue

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Exhibit R-3
ARMY RDT&E COST ANALYSIS

ARMY RDT&E COST ANALYSIS (R3)

February 2006

BUDGET ACTIVITY **7 - Operational system development**	PE NUMBER AND TITLE **0702239A - Avionics Component Improvement Program**	PROJECT **C92**

Project Total Cost:	**0**	**954**		**980**		**1031**		**Continue**	**Continue**	**Continue**

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AVIONICS COMPONENT ANALYSIS

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Exhibit R-3
ARMY RDT&E COST ANALYSIS

Schedule Profile (R4 Exhibit)

February 2006

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT
7 - Operational system development	**0702239A - Avionics Component Improvement Program**	**C92**

Event Name	FY 05				FY 06				FY 07				FY 08				FY 09				FY 10				FY 11			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Critical Avionics Improvement Effort								Avionics Improvements																				
Software Techniques Associated with Open System Architectures								Software Techniques																				
Provide PM Admin Support								PM Admin Support																				

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Exhibit R-4
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Schedule Detail (R4a Exhibit)						**February 2006**	

BUDGET ACTIVITY
7 - Operational system development

PE NUMBER AND TITLE
0702239A - Avionics Component Improvement Program

PROJECT
C92

Schedule Detail	**FY 2005**	**FY 2006**	**FY 2007**	**FY 2008**	**FY 2009**	**FY 2010**	**FY 2011**
Determine critical avionics deficiencies and inititate technology improvement efforts.	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q		
Identify SW techniques and opportunities associated w/open system architectures in reduction of cost	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q		
Continue Program Management Support	1-4Q	1-4Q	1-4Q	1-4Q	1-4Q		

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Exhibit R-4a
Budget Item Justification